

The Challenge

Much of our country's water public infrastructure is more than a half a century old. Since World War II, America has invested over a trillion dollars in water infrastructure. In many New England communities, this infrastructure is severely stressed from the effects of shifting patterns of growth, overuse, aging, and the underfunding of maintenance and renewal. As a result, in an increasing number of communities, the existing water infrastructure assets are deteriorating. The demand for new infrastructure to accommodate growth presses on unabated.

While public sector managers have been managing assets for decades, it is clear that what we have been doing in the past will not be sufficient to address the growing and increasingly complex challenges that lie ahead.

Powerful, practical, asset management techniques for better managing infrastructure assets have been developed and refined in both the private sector in the US and in water and wastewater agencies around the world. Management thinking is centered on long-term effectiveness, service sustainability, and effective environmental management. **How can these advanced asset management concepts, tools and techniques be most effectively transferred into the water and wastewater industry, more specifically, into your community? Where to start? How to proceed? How to select appropriate tools?**

In this workshop, experienced practitioners will present a systematic examination of these tools—an examination that could save years of “reinventing the wheel”.

A comprehensive approach to managing our capital assets is overdue - one that brings “state of the practice” asset management (“AM”) concepts, tools, techniques, and technologies to bear on managing for cost effective performance. **This approach, first and foremost, is one that focuses relentlessly on providing sustained performance of value to the customer at the lowest life-cycle cost and at an acceptable level of risk to the organization.**

How can advanced asset management concepts, tools and techniques be most effectively transferred into the water and wastewater industry, more specifically, into your community?



Managing Your Water Infrastructure Assets for Sustainability



Sept. 26 & 27, 2006

**Chelmsford Radisson
10 Independence Drive
Chelmsford, MA
www.radisson.com/chelmsfordma**

Sponsored by:

United States Environmental Protection Agency (US EPA)
New England Water Environment Association (NEWEA)

In Cooperation with:

New England Water Works Association (NEWWA)
American Public Works Association (APWA)

Register Early
Space is Limited

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The Workshop:

- Incorporates a real world “storyline” to realistically demonstrate an asset management way of approaching difficult asset driven problems.
- Is built around **participant exercises** that demonstrate the concepts, techniques and tools of asset management.
- Is centered on “**case-based**” mentoring by expert asset management practitioners.
- The agenda is built around five core questions (see highlights).

The workshops focus on demonstrating, step-by-step, how a community would select and deploy “Best Appropriate Asset Management Practices”.

About the Presenters

Mr. Steve Allbee US EPA Project Director, Gap Analysis; primary author, US EPA's The Clean Water and Drinking Water Infrastructure Gap Analysis; 25 years EPA – development of financing programs; BA, MA, MPA.

Mr. Doug Stewart, P.E. Principal Consultant, GHD; former Asset Management Program Director, Orange County Sanitation District; 25 years engineering experience, 10 years utility management; BS, MSCE.

Mr. Philip Tiewater, P.E. Principal Consultant and Deputy Service Group Manager - East, GHD; former Public Works Director; 25 years municipal engineering experience; BA, MPA.

Mr. Duncan Rose Vice President & Technical Director - Asset Management Group, GHD LLC; Former city/county manager; co-author of WEF's textbook, Managing the Water and Wastewater Utility; 30 years state & local government management; Adjunct Faculty, Florida State University, Askew School of Public Policy; BA, MSP, MAPA.

More information can be found at: www.epa.gov/owm/assetmanage/assets_training.htm

Agenda Highlights

Sept. 26 Day 1 (8am - 4:30pm)

- **Introductions**
- **Storyline, Background & Context**
- **Overview of Fundamental Concepts & Core Practices**
- **Core Question 1:** What Is The Current State Of My Assets?
- **Core Question 2:** What Is My Required “Sustainable” Level of Service (LOS)?
- **Core Question 3:** Which Assets Are Critical To Sustained Performance?
- **Core Question 4:** What Are My Best Minimum Life-Cycle-Cost CIP and O&M Strategies?
- **Discussion, Q & A and Feedback**

Sept. 27 Day 2 (8am - 3:30pm)

- **Summary Of Day 1:** Outline of Day 2
- **Core Question 4:** O&M (Continued)
- **Core Question 4:** CIP (Continued)
- **Core Question 5:** What Is My Best Long-Term Funding Strategy?
- **Focus Topic 1:** Deploying an AAM Program
- **Focus Topic 2:** Meeting The IT Challenge - Toward An Enterprise Asset Management System (“EAMS”)
- **Closing Summary, Questions, Comments, Evaluation, Discussion of Basic Audit**

Registration Form

Managing Your Water Infrastructure Assets for Sustainability

Cost: \$175 (\$140 for nonprofits)

Add a \$15 late fee after September 15

Certificate of Attendance will be provided

Name	
Organization	
Address	
City	
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Telephone	
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Send the completed form and check payable to:
New England Water Environment Assoc.
100 Tower Office Park, Suite K
Woburn, MA 01801

or fax this form and purchase order number to:
781-939-0907

If you have questions about this workshop
call Janice at: **781-939-0908**

Register Early
Space is Limited

Deadline to Register:
September 15, 2006

Cancellation Policy: Cancellation request must be received in writing before 5:00 p.m., September 1, 2006.
Cancellation fee is \$50.
No refunds will be issued after September 1, 2006.